PATENT CLAIMS

1. (currently amended) A method for controlling of reagent dosages in a concentration plant based on the variation in the properties of a raw material feed, ~~characterized in that~~ the concentration plant ~~contains~~ containing at least a primary and secondary grinding, conditioning and flotation stages, ~~wherein~~ the method comprising the steps of: after the primary grinding stage, forming a representative side stream of the raw material feed ~~is formed~~, feeding said side stream ~~is fed~~ to a calibration circuit to determine [, where] variables required in measuring the amount and quality of reagents ~~are determined~~ and using the variables obtained ~~are used~~ to dimension the feed of reagents in the main stream.

2. (currently amended) A method according to Claim 1, ~~characterized in that~~ wherein the calibration circuit contains required conditioning and flotation stages.

3. (currently amended) A method according to ~~claims 1 or 2,~~ ~~characterized in that~~ Claim 1, further including after primary grinding, feeding the main stream and the product from the calibration circuit ~~is fed~~ to secondary grinding[, to which the product from the calibration circuit is also fed].

4. (currently amended) A method according to ~~claims 1 or 2,~~ ~~characterized in that~~ Claim 1, further including after primary grinding, feeding the main stream ~~is fed~~ to a storage tank.

5. (currently amended) A method according to Claim 1, further including ~~any of the above claims, characterized in that~~ measuring froth formation ~~is measured~~ when dimensioning the quantity and quality of reagent.

6. (currently amended) A method according to Claim 1, further including ~~any of the above claims, characterized in that~~ measuring the amount of concentrate ~~is measured~~ when dimensioning the quantity and quality of the reagent.

7. (currently amended) A method according to Claim 1, further including measuring ~~any of the above claims, **characterized in that**~~ the valuable and gangue material content of the concentrate ~~is measured~~ when dimensioning the quantity and quality of the reagent.